IAP6 Rec'd PCT/PTO 09 JUN 2006 PTO-1390 (Rev. 02-2005)

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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

ATTORNEY'S DOCKET NUMBER NY-LBNL-238-US (IB-1867-US)

U.S. APPLICATION NO. (14 known cee 27 CFR 1.5)

CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/US2004/041428 December 10, 2004 December 11, 2003 CATHETER-BASED MID-INFRARED REFLECTANCE AND REFLECTANCE TITLE OF INVENTION GENERATED ABSORPTION SPECTROSCOPY APPLICANT(S) FOR DO/EO/US Holman Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must 3. X include items (5), (6), (9) and (21) indicated below. 4. X The US has been elected (Article 31). Х A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) is attached hereto (required only if not communicated by the International Bureau). a. b. has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). C. 6. X An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). X is attached hereto. a. has been previously submitted under 35 U.S.C. 154(d)(4). b. 7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. b. C. have not been made; however, the time limit for making such amendments has NOT expired. d. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). Х An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 12. 13. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. 14. 15. A substitute specification. A power of attorney and/or change of address letter. 16. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 18. 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). Other items or information: Statement Under 37 CFR 3.73(b); Power of Attorney and copy of assignment Х 20.

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1 1 N	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO.						ATTORNEY'S DOCKET NUMBER		
	10/582422 PCT/US2004/041428						LBNL-238-US (IB-1867-US)		
The following fees have been submitted								CALCULATIONS	PTO USE ONLY
21. X Basic national fee\$300							\$	300.00	
22. x Examination fee								5	
If International p				repared by USPTO and					
provisions of PCT Article 33(1)-(4) \$100 All other situations \$200							\$	100.00	
	23. X Search fee								
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority\$100									
International Search Report prepared and provided to the Office\$400									
All other situations \$500 TOTAL OF 21, 22 and 23 =							\$ \$	100.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding							3	500.00	
sequence listing or computer program listing filed in an electronic medium). The fee is									
\$250 for each additional 50 sheets of paper or fraction thereof.									
Total Sheets	heets Extra sheets		Number of each additional 50 or fraction thereof (round up to a whole number			RATE			
12 - 100 =	2 - 100 = /50 =					x \$250.00	1		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months									
from the earliest claimed priority date (37 CFR 1.492 (e)).							\$		
CLAIMS									
Total claims			28	8	×	50.00		400.00	
			- 3 =			200.00	\$	400.00	
MULTIPLE DEPENDENT CLAIM(s) (if applicable) +							\$	4.000.00	
TOTAL OF ABOVE CALCULATIONS =							\$	1,300.00	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.							\$		
SUBTOTAL =							\$	650.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CER 1492 ft).							\$		
from the earliest claimed priority date (37 CFR 1.492 (f)). + TOTAL NATIONAL FEE =							\$ 650.00		
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